

APPENDIX A

Clean Copy of All Pending Claims

1. A contour collimator for radiation therapy comprising a plurality of diaphragm elements having a front and a back sides and a first and a second terminal portions that are opposite to each other, wherein the diaphragm elements are arranged movably with respect to each other, such movement being powered by a drive unit for each diaphragm element, and wherein each diaphragm is supported only on the first terminal portion that is positioned near the respective drive unit.
2. The contour collimator according to claim 1, wherein the first terminal portion of each diaphragm element is furnished with a toothed rack that operates in conjunction with the respective drive unit.
3. The contour collimator according to claim 2, further comprising a guide for the diaphragm elements that is disposed directly adjacent to the drive unit.
4. The contour collimator according to claim 3 further comprising a loose bedding that is provided for each diaphragm element on the second terminal portion of diaphragm element opposite to the respective drive unit.
5. The contour collimator according to claim 1, wherein at least two diaphragm elements are arranged with separation therebetween, opposite and slightly offset relative to one another, and movably towards one another in more than half the distance of separation.
6. The contour collimator according to claim 1, wherein the longitudinal axes of at least two diaphragm elements, which extend from the respective drive units to respective sides opposite to said drive units, form an angle so that the diaphragm elements are arranged in a fan formation.
7. The contour collimator according to claim 3, wherein the first terminal portion of at least one diaphragm element near the drive unit in the direction of movement of the diaphragm element is longer than the second terminal portion.

8. The contour collimator according to claim 1, wherein at least two diaphragm elements form a diaphragm group which is arranged movably in the direction of movement of the diaphragm elements in addition to the movement of individual diaphragm elements.
9. The contour collimator according to claim 8, wherein two diaphragm groups are arranged opposite one another in the direction of movement of the diaphragm elements and movably towards one another on guide rails.
10. The contour collimator according to claim 1, wherein the drive unit is equipped with a rotary potentiometer to record the position of the diaphragms.
11. The contour collimator according to claim 1, wherein the drive units are arranged parallel to each other.
12. The contour collimator according to claim 2, wherein the drive unit comprises a gear wheel driven perpendicularly to the direction of movement of the diaphragms, and wherein said gear wheel is driven over the toothed rack on the first terminal portion of the diaphragm element to move the diaphragm element.